

ABSTRACT OF THE DISCLOSURE

A backlight device for a liquid crystal includes a substrate, a light source including a first plurality of green light emitting diodes, a second plurality of blue light emitting diodes, and a third plurality of red light emitting diodes arranged along a first row direction on the substrate in an offset matrix-type configuration, wherein white light emitting diodes are disposed at both ends of the configuration of the green, blue, and red light emitting diodes.